

MasterPort 2

Universal DMX / RDM network node

The LSS MasterPort 2 is a network node for the demanding lighting network. With its help, light data can be converted from Ethernet to DMX. Up to four DMX universes are supported. Up to four channels can be merged in each universe according to the HTP. In addition to DMX512, the LSS MasterPort 2 supports all common network protocols such as sACN and Art-Net, as well as AVAB / IPX, AVAB / UDP, and ShowNet.

The LSS MasterPort 2 is explicitly designed for on-stage using: It is noiseless cooled and therefore totally silent, the display can be switched off and, not least, the LSS MasterPort can be completely remote-controlled by LSS ConfigCore and RDM. The power supply of the built-in device is via PoE or 24 V DC. The portable version of the LSS MasterPort 2 can also be powered by an internal power supply with 230 V AC.

The LSS MasterPort 2 is available in two versions: Either as a flush-mount version for panels and connection boxes with a minimum depth of 80 mm or as portable with integrated power supply. Both versions can be supplied with various setups of DMX connectors. Following setups are possible: 4x DMX-In, 4x or 2x DMX-Out DMX In/2x DMX Out. Regardless of the connection configuration, the DMX connections can be defined as inputs or outputs in the settings.

General technical data

Connectors Frontside

DMX:	4x 5pin XLR, electrically isolated
------	------------------------------------

Connectors Backside

DMX:	4x 3pin connectors
Power supply	1x 3pin connectors
Ethernet	1x RJ45, PoE acc. to IEEE 802.3af

Rear DMX connections cannot be fitted later! Only available for built-in devices with 4x DMX-Out!

Regardless of the connection configuration, the DMX connections can be defined as inputs or outputs in the settings.

Cable cross-sections of the connections on the rear

	Solid in mm ²	Flexible in mm ²	Electric wire ferrule in mm ²	
			Insulated	Uninsulated
DMX	0,14...1,5	0,14...1,5	0,25...1,5	0,25...0,5
Power supply CPU	0,14...2,5	0,14...2,5	0,25...2,5	0,25...1,5

IP Code / Appliance classes

Built-in devices	IP00 / Class III
Portable	IP20 / Class I

Ambient temperature and humidity

Temperature:	0 °C - +40 °C (operation and storage)
Humidity	20 – 90%, not condensed
RoHS	Approval

Material

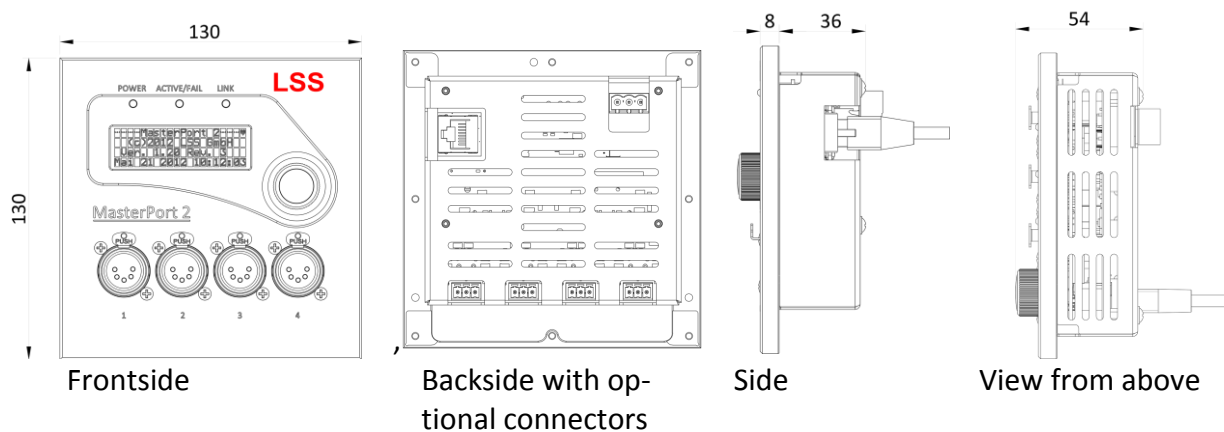
Front panel	Aluminum, blue anodized
Protective cage built-in devices	1 mm sheet steel, bare
portable	1 mm sheet steel, powder-coated black (RAL9005)

LSS MasterPort 2 built-in device

LSS MasterPort 2 for installation in

- Junction boxes,
- 19" rack,
- LSS Duct 180 x 120
- LSS Duct 250 x 140,
- LSS Duct VK-Profil 155,
- Other cases.

The connection configurations 4x DMX-In, 4x DMX-Out, or 2x DMX-In / 2x DMX-Out are possible for the built-in device. The device version 4x DMX-Out is optionally available with four connections on the back.

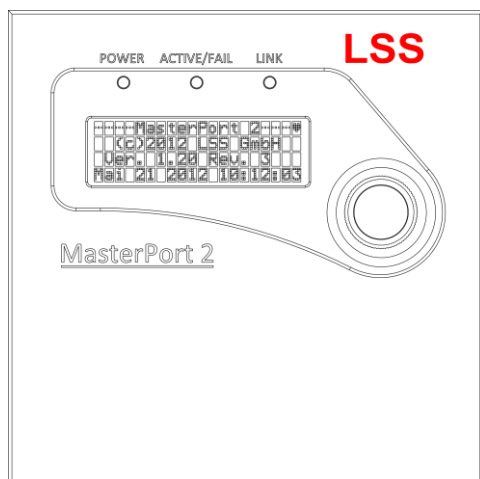


Technical Specifications

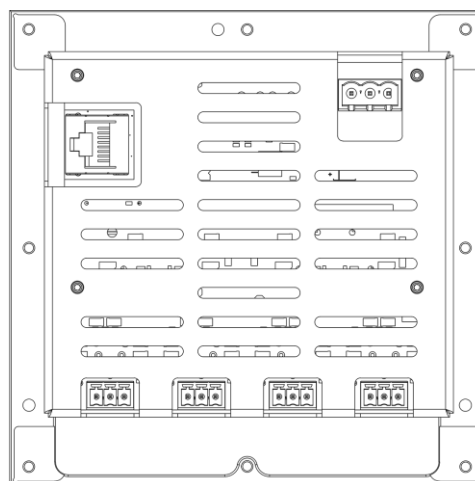
Dimensions (W x H x D)	130 x 130 x 54 mm with Encoder 130 x 130 x 44 mm without Encoder
Installation depth	Minimum 80 mm
Power supply	Optionally: 48 V DC Power over Ethernet (IEEE 802.3af) or 24 V DC via rear connector
Power consumption	130 mA/3 W
Weight	600 g
Order number and connection configuration	5064: Built-in device 2x DMX-In/2x DMX-Out 5065: Built-in device 4x DMX-Out 5066: Built-in device 4x DMX-In The connector design 4x DMX-Out (5065) can also be equipped with DMX connections on the rear. Rear DMX connections cannot be fitted later!

LSS MasterPort 2 Remote Control

The LSS MasterPort 2 Remote Control was developed for use in difficult to access stage areas. With this design, the DMX connections are only made on the back. In this way, network nodes and DMX connections can be spatially separated without restricting the performance of the LSS MasterPort 2.



Front side



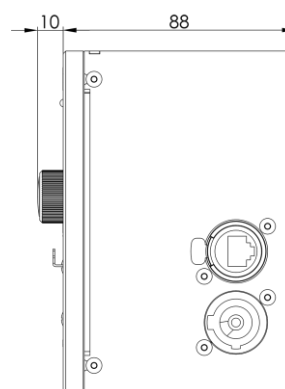
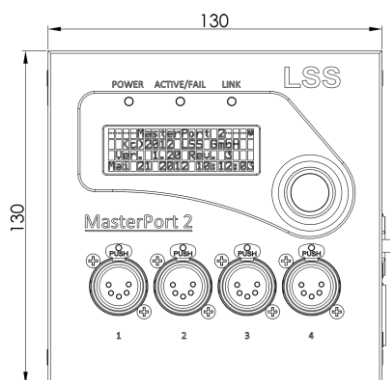
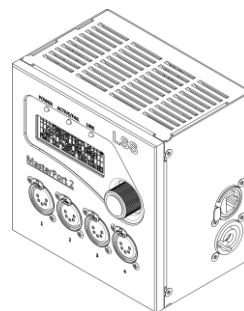
Backside with optional connectors

Technical Specifications

Dimensions (W x H x D)	130 x 130 x 54 mm with Encoder 130 x 130 x 44 mm without Encoder
Installation depth	Minimum 80 mm
Power supply	Optionally: 48 V DC Power over Ethernet (IEEE 802.3af) or 24 V DC via rear connector
Power consumption	130 mA/3 W
Weight	600 g
Order number	5065: Built-in device with 4x DMX-Out on the back

MasterPort 2 portable for decentralized use

LSS MasterPort 2 portable in a case and Ethernet connection on the side for mounting on walls and other uneven surfaces or to raise the ground. A built-in switching power supply enables a voltage supply of 230 V AC. The connection is made with a Neutrik powerCon® blue.



Technical Specifications

Dimensions (W x H x D)	130 x 130 x 98 mm with Encoder 130 x 130 x 88 mm without Encoder	
Power supply	Optionally: 48 V DC Power over Ethernet (IEEE 802.3af) or 24 V DC via rear connector	
Power consumption	200 mA/12 W	
Weight	1,25 kg	
Order number and connection configuration	5064:	Built-in device 2x DMX-In/2x DMX-Out
	5065:	Built-in device 4x DMX-Out
	5066:	Built-in device 4x DMX-In
	L03007	Portable case with Neutrik powerCon® blue and RJ45 connection